AUTODOC CLUB

How to change front brake caliper on **MERCEDES-BENZ CLC (CL203)** – replacement guide

SIMILAR VIDEO TUTORIAL

This video shows the replacement procedure of a similar car part on another vehicle

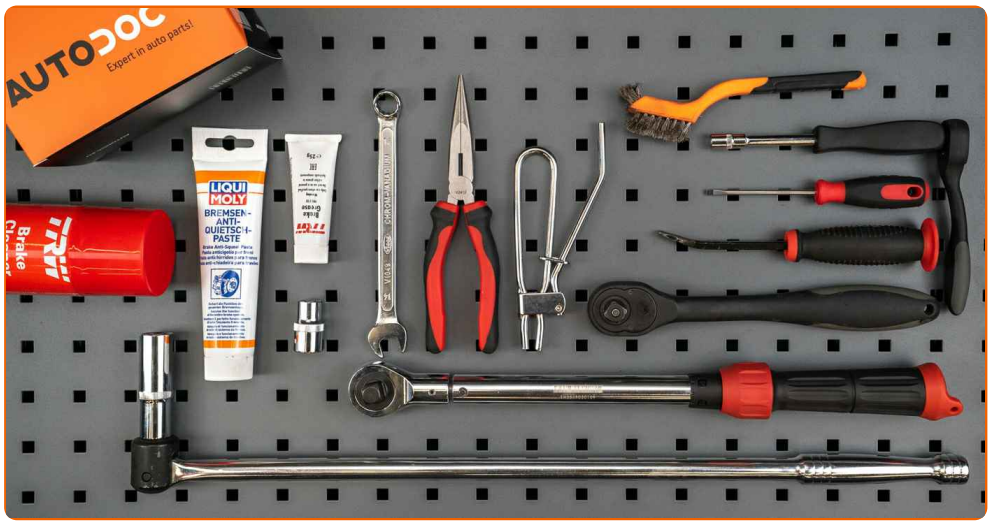
Important!

This replacement procedure can be used for:
MERCEDES-BENZ CLC (CL203) CLC 180 Kompressor (203.746), MERCEDES-BENZ CLC (CL203) CLC 230 (203.752), MERCEDES-BENZ CLC (CL203) CLC 200 CDI (203.707), MERCEDES-BENZ CLC (CL203) CLC 220 CDI (203.708)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ C-Class Saloon (W203) C 200 Kompressor (203.045)

REPLACEMENT: BRAKE CALIPER – MERCEDES-BENZ CLC (CL203). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Brake caliper guide pins grease
- Drive socket # E8
- Drive socket # 12
- Combination spanner №14
- Ratchet wrench
- Torque wrench
- Round-nose pliers
- Fluid container
- Wheel impact socket #17
- Crow bar
- Brake hose clip
- Wheel chock

Buy tools

Replacement: brake caliper – MERCEDES-BENZ CLC (CL203). AUTODOC experts recommend:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE CALIPER – MERCEDES-BENZ CLC (CL203). USE THE FOLLOWING PROCEDURE:

1 Open the bonnet.

2 Unscrew the brake fluid reservoir cap.

3 Secure the wheels with chocks.

4 Loosen the wheel mounting bolts. Use wheel impact socket #17.

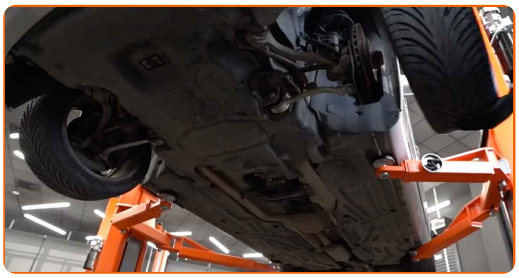
5 Raise the front of the car and secure on supports.

6 Unscrew the wheel bolts.

AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ CLC (CL203)

7 Remove the wheel.



8 Disconnect the brake pad wear sensor plug. Remove the connector of the brake pad wear sensor. Use round-nose pliers.

Please note!

- Some cars are not equipped with the brake pad wear sensor.

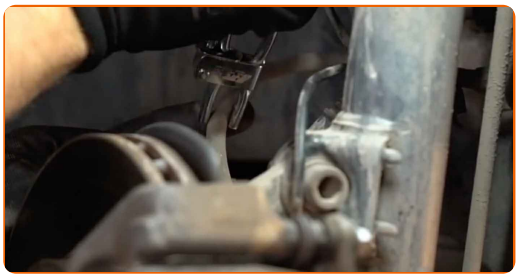
9 Put a container for gathering brake fluid beneath.

10 Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a wire brush. Use a brake cleaner.

Replacement: brake caliper – MERCEDES-BENZ CLC (CL203). Tip:

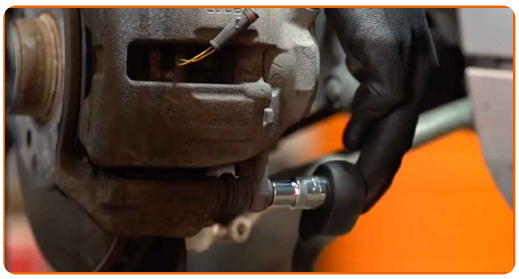
- After applying the spray, wait a few minutes.

11 Clamp the brake hose off using a brake hose clamp.



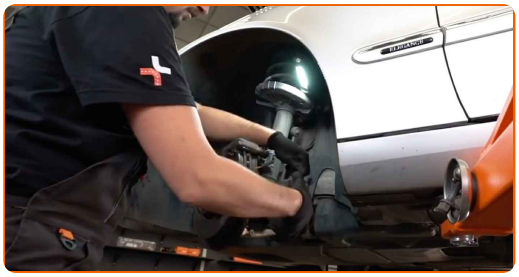
12 Loosen the brake hose fastening. Use a combination spanner #14.

13 Unscrew the brake caliper fastening. Use a drive socket #12. Use a ratchet wrench.

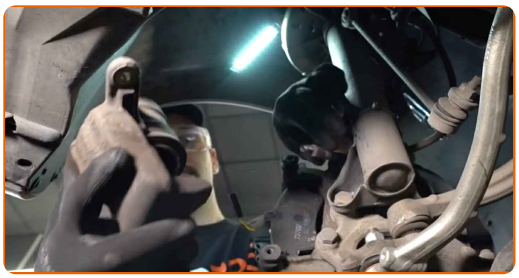


14 Spread the brake pads. Use a crowbar.

15 Remove the brake caliper.



16 Unscrew the brake hose from the brake caliper.



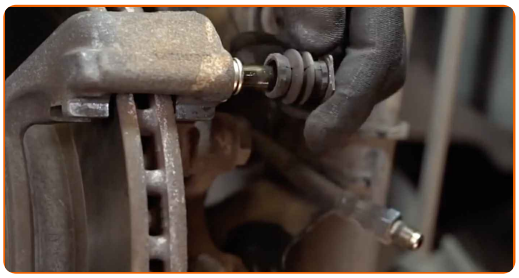
Replacement: brake caliper – MERCEDES-BENZ CLC (CL203). AUTODOC recommends:

- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.

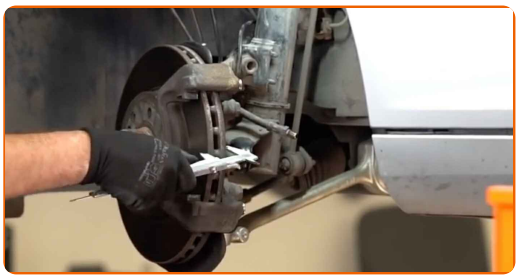
17 Remove the brake pads.

18 Remove caliper guide pins.

19 Remove the guide pins from the brake caliper.



20 Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

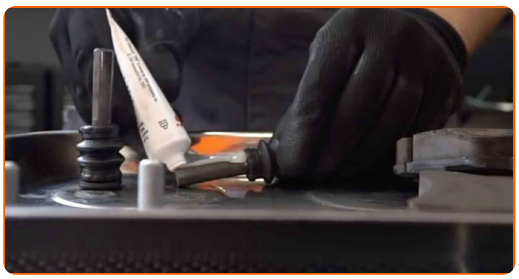


21 Clean old grease and rust stains, if there are any, from the caliper guide pins and guide pin boots. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake caliper – MERCEDES-BENZ CLC (CL203). After applying the spray, wait a few minutes.

22 Treat the brake caliper guide pins. Use the brake caliper guide pin grease.



Replacement: brake caliper – MERCEDES-BENZ CLC (CL203). AUTODOC experts recommend:

- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.

23 If going to use the old brake pads, clean them. Use a wire brush. Use a brake cleaner.

Replacement: brake caliper – MERCEDES-BENZ CLC (CL203). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

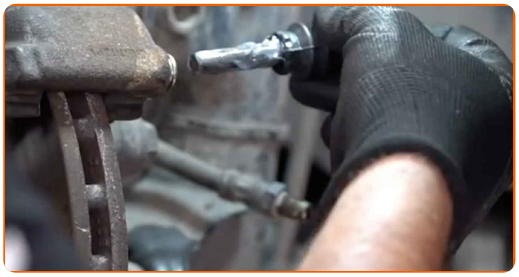
24 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Treat the brake caliper bracket. Use a brake cleaner.

AUTODOC recommends:

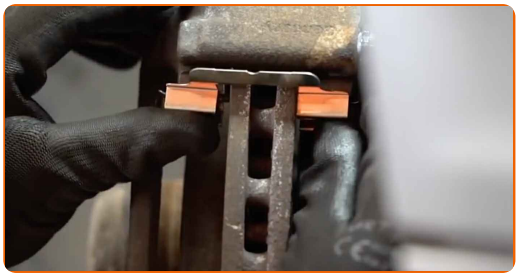
- Replacement: brake caliper – MERCEDES-BENZ CLC (CL203). After applying the spray, wait a few minutes.

25 Treat the contact surfaces between the brake pads and the brake caliper bracket. Use anti-squeal paste.

26 Install the guide pins into the brake caliper bracket.



27 Install new pad guide pins.

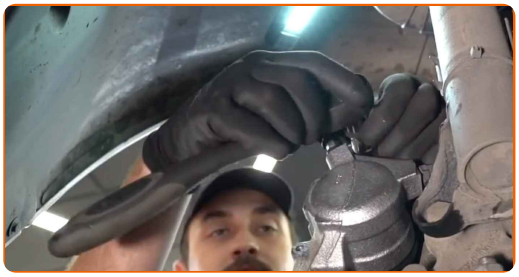


28 Install the brake pads.

29 Install the brake hose to the new brake caliper.

30 Install the caliper.

31 Screw in the brake caliper fasteners.



Replacement: brake caliper – MERCEDES-BENZ CLC (CL203). Tip from AUTODOC experts:

- Hold up the brake caliper.

32 Tighten the brake caliper fasteners. Use a drive socket #12. Use a torque wrench. Tighten it to 25 Nm torque.

33 Tighten the brake hose fastener. Use a combination spanner #14. Use a torque wrench. Tighten it to 18 Nm torque.

34 Remove the brake hose clamp.

35 Connect the brake pad wear sensor plug.

Replacement: brake caliper – MERCEDES-BENZ CLC (CL203). Professionals recommend:

- Bleed the brake caliper system.

36 Clean the hub. Use a wire brush. Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

37 Install the wheel.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. MERCEDES-BENZ CLC (CL203)

38 Screw in the wheel bolts. Use wheel impact socket #17.

39 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 110 Nm torque.

40 Remove the jacks and chocks.

AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

41 Tighten the brake fluid reservoir cap.

42 Close the hood.

WELL DONE!

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